

L2 ANSWER 17 OF 21 WPIDS COPYRIGHT 2001 DERWENT INFORMATION LTD

AN 1978-56471A [31] WPIDS

PI SU 573453 A 19771020 (197831)*

TI Glass melt ***pulsed*** ***bubbling*** unit - includes counterweighted housing at furnace bottom to prevent secondary ***bubbling***

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PA (TEKH-R) TEKHENERGOKHIMPROM

AB SU 573453 A UPAB: 19930901

The pulse bubbler for stirring glass melt eliminates formation of secondary fine bubbles and has counterweighted housing which receives pressurized gas from the manifold. This ensures buoyancy of the housing and its relative shift w.r.t. the furnace bottom.

The movement causes the formation of a bubble which escapes from the housing, and the equilibrium of gravity and buoyancy forces is broken. The housing drops back into its starting position and a new pressure build-up initiates repeat of the cycle. The clear break of the bubble eliminates seeding of the glass melt, and the frequency of bubble escape is adjusted by gas pressure control.

IC C038005-16

DC L01

PRAI SU 1975-2139532 19750602